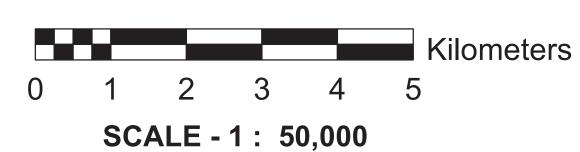
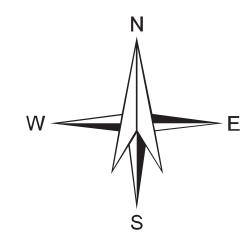
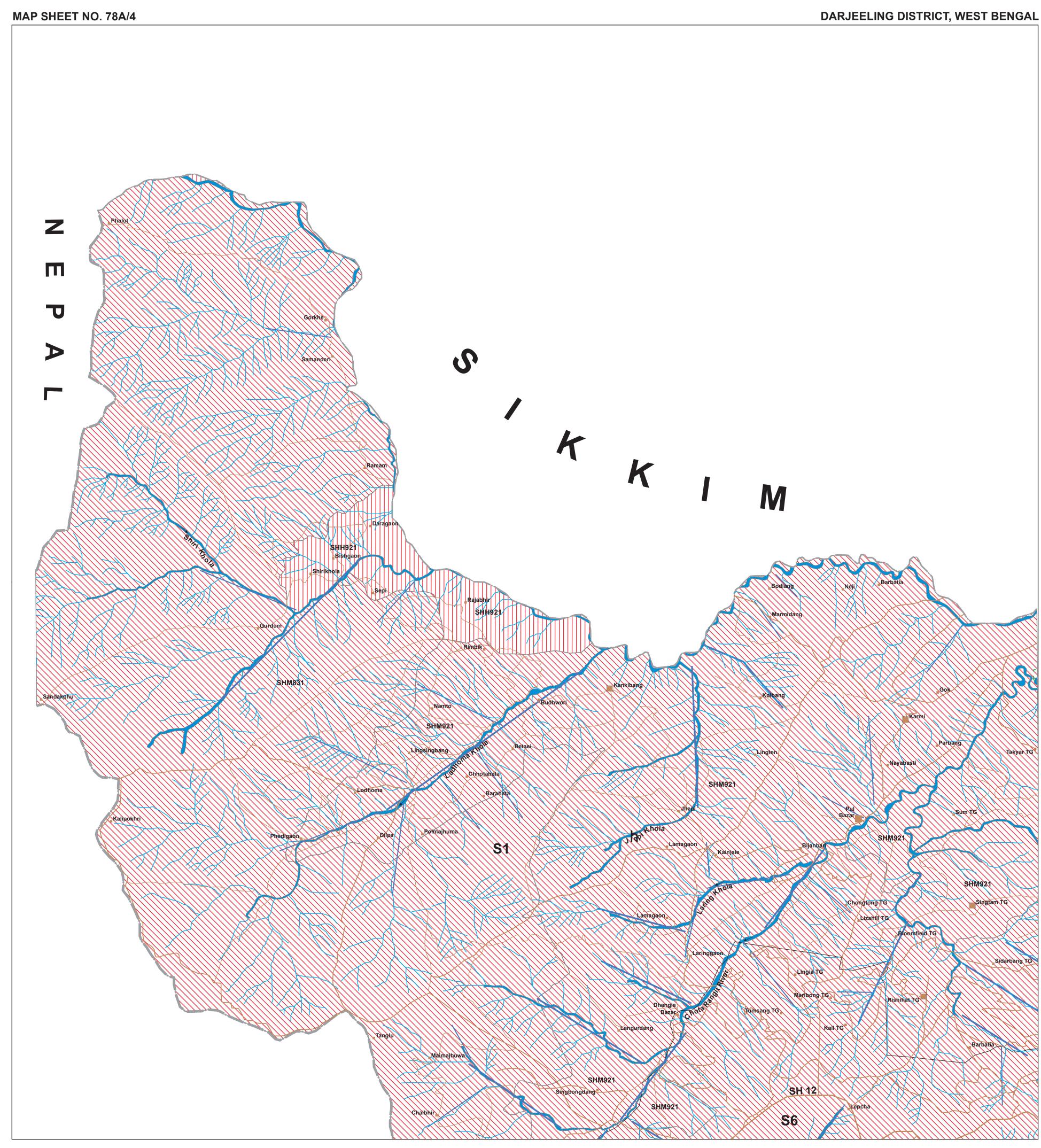
## DRINKING WATER PROSPECTS MAP

(PREPARED FROM SATELLITE IMAGE INTERPRETATION WITH LIMITED FIELD CHECKS)









## L E G E N D

					L E	G	<u>E N</u>	l D					
MAP UNIT  (HYDROGEOMORPHIC UNIT)  REPRESENTED IN THE MAP WITH ALPHANUMERIC CODE  (COLOUR INDICATES YIELD RANGE AND HATCHING INDICATE DEPTH RANGE)	GEOLOGICAL SEQUENCE / ROCK TYPE  (REPRESENTED IN THE MAP WITH NUMERIC CODE)	GEOMORPHIC UNIT / LANDFORM  (REPRESENTED IN THE MAP WITH ALPHABETIC CODE)	DEPTH TO WATER LEVEL  PRE / POST- MONSOON (AVERAGE IN METERS)  NO. OF WELLS OBSERVED	RECHARGE CONDITIONS  BASED ON AVAILABILITY OF WATER  (RAINFALL & OTHER SOURCES)	AQUIFER MATERIAL  LS = LOOSE SEDIMENTS PR = PERMEABLE ROCK FIR = FISSURED ROCK FR = FRACTURED ROCK WR /= WEATHERED ROCK / WM WEATHERED MATERIAL IR = IMPERIVIOUS ROCK	TYPE OF WELLS SUITABLE  DW = DUG WELL RW = RING WELL BW = BORE WELL TW = TUBE WELL DBW /= DUG CUM-BORE WELL / DTW DUG CUM-TUBE WELL	DEPTH RANGE OF WELLS (SUGGESTED) MIN - MAX (IN METERS)	YIELD RANGE OF WELLS (EXPECTED) (in LPM or m <sup>3</sup> /day)	HOMOGENEITY IN THE UNIT & SUCCESS RATE OF WELLS (PROBABILITY)  VERY HIGH HIGH MODERATE LOW	QUALITY OF WATER  POTABLE (P) NON - POTABLE (NP)  (INDICATE REASONS IF NON POTABLE)	GROUND WATER IRRIGATED AREA (APPROX . RANGE IN PERCENTAGE )	RECHARGE STRUCTURES SUITABLE & PRIORITY  PT = PERCOLATION TANK CD = CHECK DAM NB = NALA BUND RW = RECHARGE WELL DT = DESILITING OF TANK RP = RECHARGE PIT SD = SUBSURFACE DYKE RS = RECHARGE SHAFT ST = STORAGE TANK SCM = SOIL CONSERVATION MEASURES	REMARKS (PROBLEMS/LIMITATIONS)
SHM921	Daling Group (Gorubathan Formation) (Proterozoic) (Sorubathan Formation) (Proterozoic) (Proterozoic)	Structural Hill Moderately Dissected (SHM)											
SHH921		Structural Hill Highly Dissected (SHH)		Essential I Limited p	ly run-off zo rospects wit	one. Drinkin hin Intermo	g water s ntane Va	sources p lleys.	rim arily	from spr	ings and	river/stream wa	ter.
SHM831	Central Crystalline Gnessic Complex (Proterozoic) Chroterozoic) Granitoid Complex (831) (Proterozoic) Granitoid Complex (831)	Structural Hill Moderately Dissected (SHM)											
FF// —	These are fau						y higher and wells are	e likely to be sustainal	ble for longer duration	n. However, the inferre	d fractures need to be o	confirmed by detailed ground surveys	· :
DD /QQ DD /QQ	/ P'P These are	dykes, quartz reefs and	pegmatite veins, which g	enerally act as barriers	for ground water movem	ent.							
	N.BThe depth range and yield Locations of the	range of wells may vary v recharge structures show	within the unit because of wn in the map are tentative	certain inhomogeneities e. This map is useful for	s. Fractures/Lineaments wa narrowing down the targe	hich are clearly observed t zones,and exact location	/ inferred from the s n on the ground for	satellite image are wells and recharge	indicated on the ma structures should	p. There could be s be identified based	ome obscured fractu on follow-up ground	ures which also influence the grou I hydrogeological/geophysical sui	und water prospects. rveys.

